
ऊन और ऊन के उत्पाद के लिए व्यापारिक
मॉइस्चर रीगेन मान
(पहला पुनरीक्षण)

Commercial Moisture Regain Values
for Wool and its Products
(First Revision)

ICS 59.060.01; 59.060.10

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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Wool, Wool Products and Textile Floor Coverings Sectional Committee had been approved by the Textiles Division Council.

Wool is a highly hygroscopic fibre. Hence, the weight of a consignment of wool or its products changes depending upon the atmospheric conditions and the environments, which lead to ambiguities. The need for fixing commercial moisture regain values for wool and its products has, therefore, been keenly felt by the industry and trade to overcome such ambiguities.

The commercial moisture regain values as recommended in the standard are not experimentally determined quantities but purely arbitrary values arrived at for commercial purposes. The actual moisture regain values of wool and its products, when in moisture equilibrium with the standard atmosphere for testing, bear no consistent relation to the commercial moisture regain values specified in the standard. Equilibrium moisture regain value depends upon the previous history of the material.

For determining correct invoice weight of woollen and worsted yarn, the method specified in IS 4902 shall be followed.

The present revision has been made in the light of experience gained since last revision and to bring the standard in the latest format and update the referred standards.

The composition of the committee responsible for the formulation of this standard is listed in Annex A.

In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'.

*Indian Standard***COMMERCIAL MOISTURE REGAIN VALUES FOR WOOL
AND ITS PRODUCTS***(First Revision)***1 SCOPE**

This standard recommends the commercial moisture regain values for wool and its products.

2 REFERENCES

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed below.

<i>IS No.</i>	<i>Title</i>
IS 4902 : 1981	Method for determination of correct invoice weight of all wool materials (<i>first revision</i>)

3 TERMINOLOGY

3.1 Commercial Moisture Regain — An arbitrary value formally adopted as the regain to be used with the oven-dry weight when calculating:

- a) linear density of wool yarn;
- b) commercial or legal weight of a shipment or delivery of wool and its products; or

- c) the weight of wool in the analysis of fibre blends.

4 RECOMMENDED MOISTURE REGAIN VALUES

4.1 The commercial moisture regain values for wool and its products are recommended as given below:

Scoured wool	17.00 percent
Tops:	
Oil-combed	19.00 percent
Dry-combed	18.25 percent
Noils:	
Oil-combed	14.00 percent
Dry-combed	16.00 percent
Scoured and carbonized	16.00 percent
Yarn:	
Woollen	17.00 percent
Worsted	
Oil-spun	18.25 percent
Dry-spun	18.25 percent
Hand-knitting wool	18.25 percent
Fabric	16.00 percent

ANNEX A
(Foreword)

COMMITTEE COMPOSITION

Wool, Wool Products and Textile Floor Coverings Sectional Committee, TXD 04

<i>Organization</i>	<i>Representative(s)</i>
ICAR - Central Sheep & Wool Research Institute, Avikanagar	DR D. B. SHAKYAWAR (Chairperson)
Agnext Technologies Pvt Ltd, Mohali	SHRI TARANJEET SINGH BHAMARA SHRI SALIL LAKHANPAL (<i>Alternate</i>)
Ahuja Shaws Shawlware Pvt Ltd, New Delhi	SHRI PUNEET AHUJA
All India Carpet Manufacturers' Association, Bhadohi	SHRI RAVI PATODIA SHRI SURENDA K BARANWAL (<i>Alternate</i>)
Art Weavers Pvt Ltd, Varanasi	SHRI HUSAIN JAFAR HUSAINI
Bikaner Woolen Mills Pvt Ltd, Bikaner	SHRI SHREYANSH BOTHRA
Carpet Export Promotion Council, New Delhi	SHRI SANJAY KUMAR SHRI SUBODH KUMAR GUPTA (<i>Alternate</i>)
Central Silk Board, Bangalore	DR S. V. NAIK DR PRAKASH N BHATT (<i>Alternate</i>)
Central Wool Development Board, Jodhpur	SHRI ANURAG PUROHIT SHRI RAMESH KUMAR BUNDELA (<i>Alternate</i>)
Crafts Development Institute, Srinagar	DIRECTOR DR HINA QUAZI (<i>Alternate</i>)
Directorate of Animal Husbandry, Jaipur	DR J. S. SEHGAL
Directorate General of Quality Assurance Ministry of Defence, Kanpur	SHRI A. CHOWDHURY SHRI D. K. PUJARI (<i>Alternate</i>)
Export Promotion Council for Handicraft, New Delhi	SHRI RAJESH RAWAT
ICAR - Central Sheep & Wool Research Institute, Avikanagar	DR AJAY KUMAR DR VINOD KADAM (<i>Alternate</i>)
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Indian Institute of Technology, Delhi	PROF R. CHATTOPADHYAY PROF VIJAYKUMAR NARAYANDAS BAHETI (<i>Alternate</i>)
Intertek Private Limited, Gurgaon	SHRI HEMANT PARAB SHRI SANJAY B. KUMAR (<i>Alternate</i>)
Karmabhoomi, Ladakh	SHRI ATUL KUMAR Ms K. DOLMA (<i>Alternate</i>)
Khadi & Village Industries Commission, Mumbai	SHRI S. K. SINHA SHRI S. P. GUPTA (<i>Alternate</i>)
Looms of Ladakh, Leh	Ms REGZEN YANGDOL
Obeetee Pvt Ltd, Bhadohi	SHRI MAKARAND MEHNDALE SHRI MAYANK JAISWAL (<i>Alternate</i>)

<i>Organization</i>	<i>Representative(s)</i>
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Office of the Textile Commissioner, Mumbai	SHRI SOURABH KULKARNI SHRI PRANAV PARASHAR (<i>Alternate</i>)
Raymonds Limited, Thane	DR G. S. SINGH SHRI RAJIV HICKKAD (<i>Alternate</i>)
Sher-e-Kashmir University of Agricultural Sciences and Technology, Srinagar	PROF SARFARAZ AHMAD WANI DR ASIF HASSAN SOFI (<i>Alternate</i>)
TAHAFUZ Society, Srinagar	SHRI RAUF WADERA SHRI MOHAMMAD RAFIQ SOFI (<i>Alternate</i>)
Textiles Committee, Mumbai	SHRI J. D. BARMAN SHRI GANESH P. BANGAR (<i>Alternate</i>)
Welspun India, Hyderabad	SHRI SRINATH VANAPARTI
Wool & Woolens Export Promotion Council, New Delhi	SHRI MAHESH N. SANIL SHRI ASHOK KUMAR THAKUR (<i>Alternate</i>)
Wool Research Association, Thane	DR SHISHIR TYAGI SHRI MAYUR BASUK (<i>Alternate</i>)
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Member Secretary
SHRI HIMANSHU SHUKLA
SCIENTIST 'B'/ASSISTANT DIRECTOR
(TEXTILES), BIS

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